

ORIGINENERGY

Empowering nations for the future…

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GENESIS ENERGY CENTRE

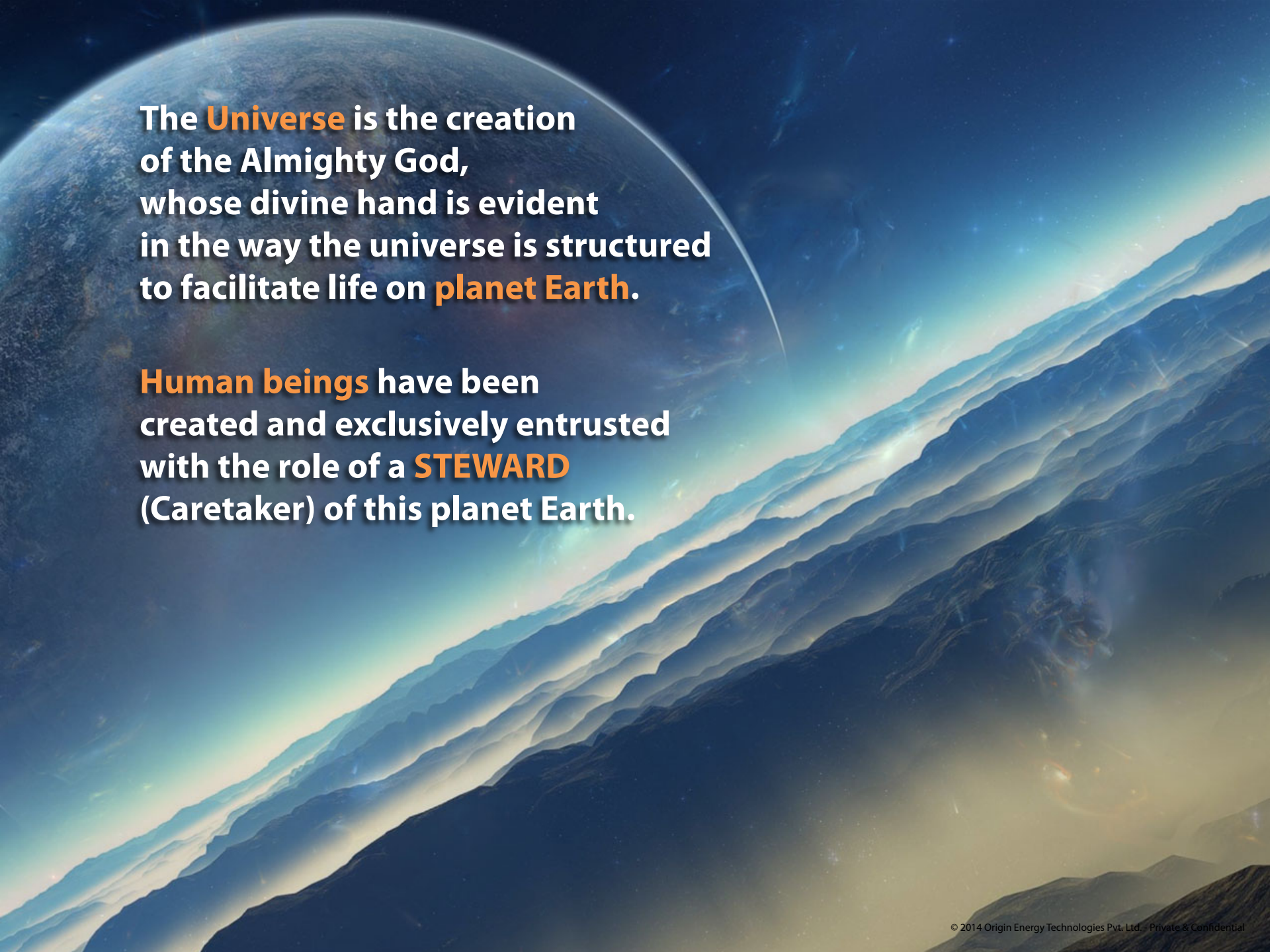
an introductory presentation
2014

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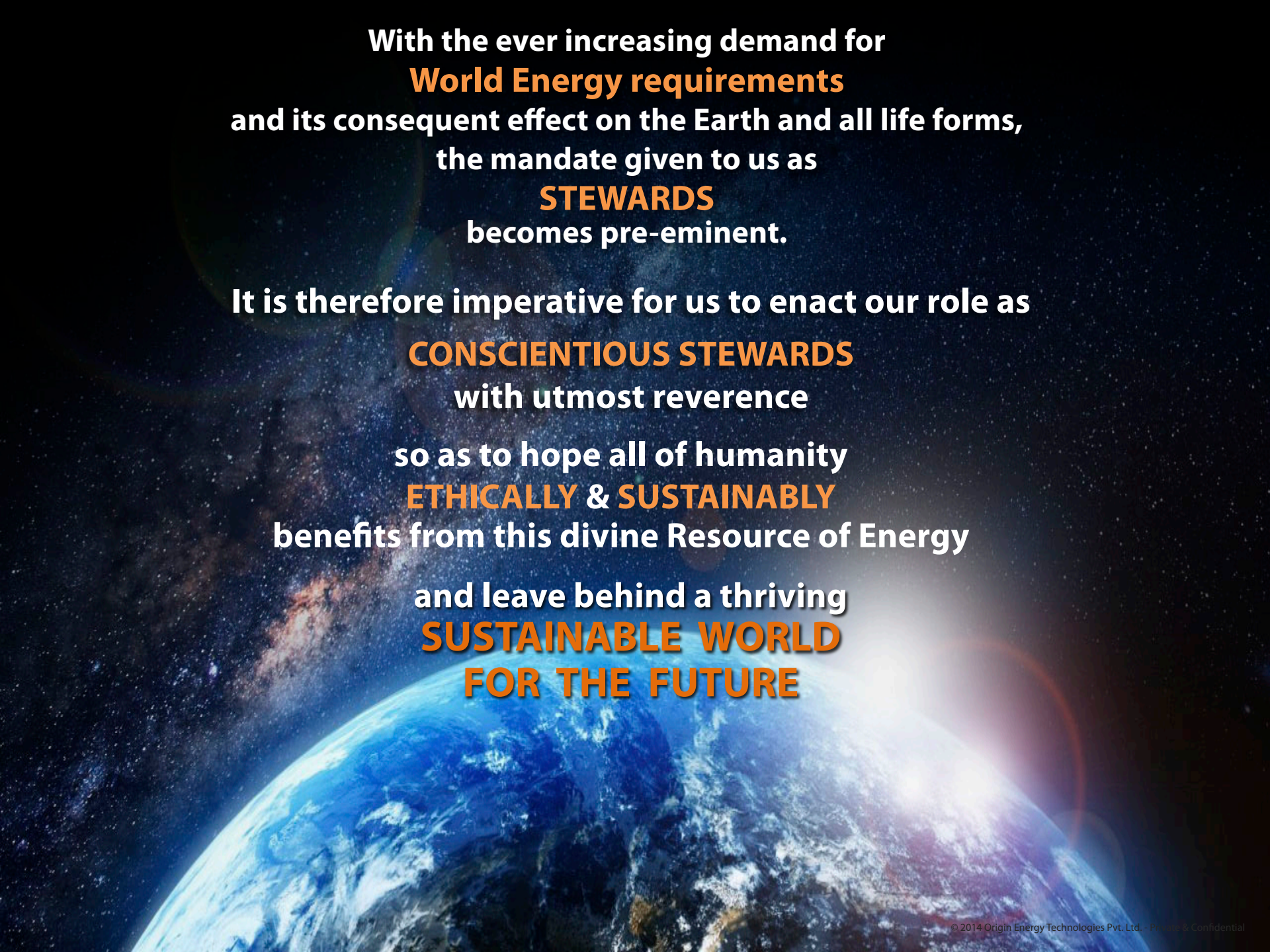
In the beginning God created the Heavens and the Earth.

THE FOUNDING BELIEF STATEMENT

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DEVELOPMENT
is an outcome of
Work and Change

ENERGY
is the ability to
do Work or
cause Change



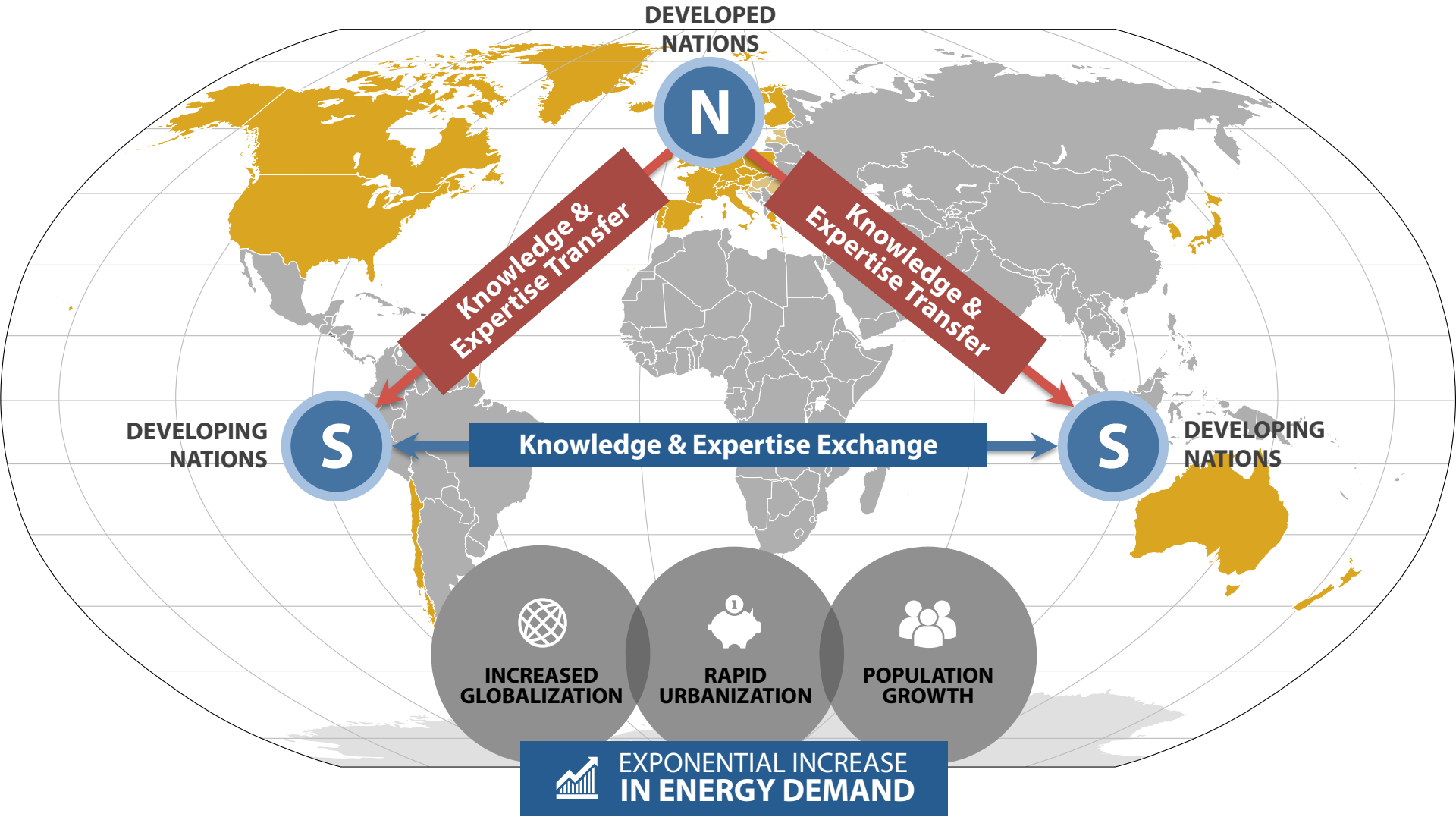
Hence,
DEVELOPMENT
is a function of
ENERGY

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Developing Nations

PRESENT SITUATION

The way forward proposed by **UN** is International Triangular Collaboration for Sustainable Growth



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Developing Nations

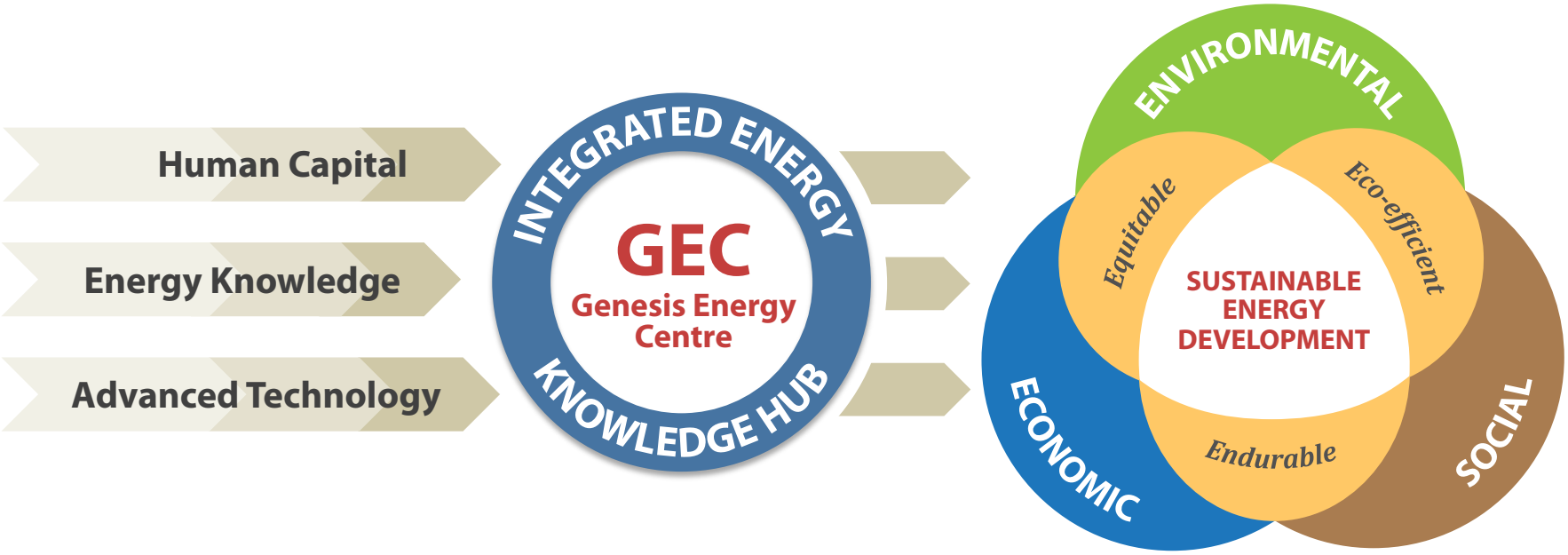
CORE ENERGY CHALLENGES

Energy Poverty | **Energy Overconsumption** | **Environmental Degradation** | **Greenhouse Gas Emissions**

and Dearth of

Energy Skills | **Energy Information** | **Knowledge Facilities**

in **developing nations** - as per the **United Nations**



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LOCATION & TARGET MARKETS



OECD = Organization of Economic Co-operation & Development

Primary Target	Secondary Target	Tertiary Target
INDIA	AFRICA, MIDDLE EAST, SOUTH ASIA, SOUTH EAST ASIA	CIS, CHINA, Rest of World
	(Non-OECD Countries)	(Includes OECD)

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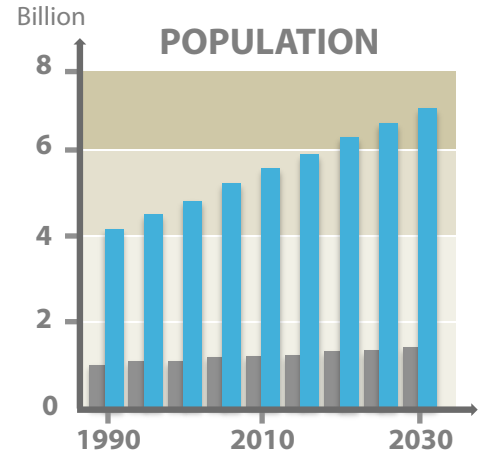
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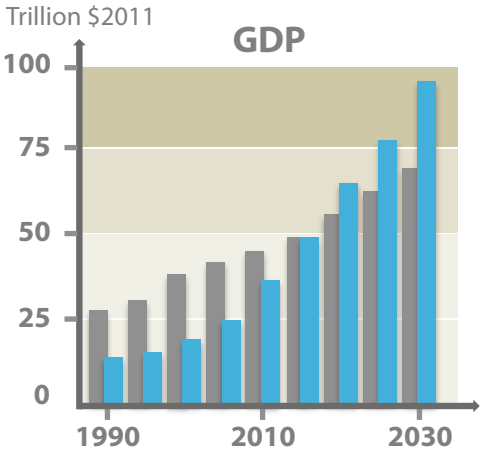
TARGET MARKET – Non-OECD Countries

OECD = Organization of Economic Cooperation & Development

OECD Countries

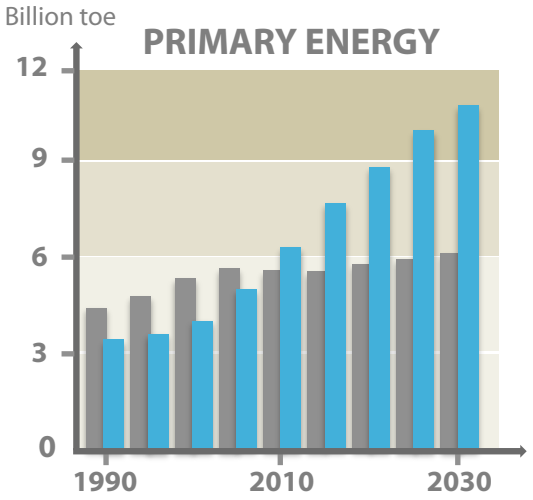
Non-OECD Countries



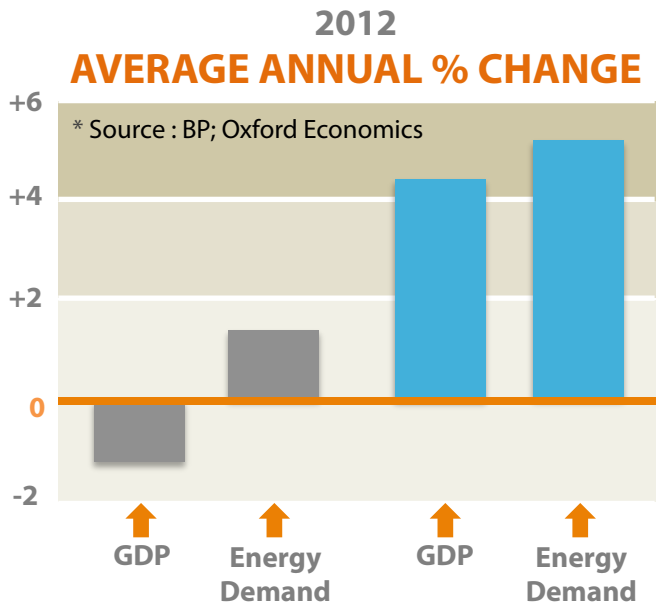


Major drivers for energy demand are

POPULATION & INCOME



* Source : BP 2013 (Energy Outlook 2030)



NON-OECD COUNTRIES



Accounts for **90%** global population growth



Contributes **70%** global GDP growth



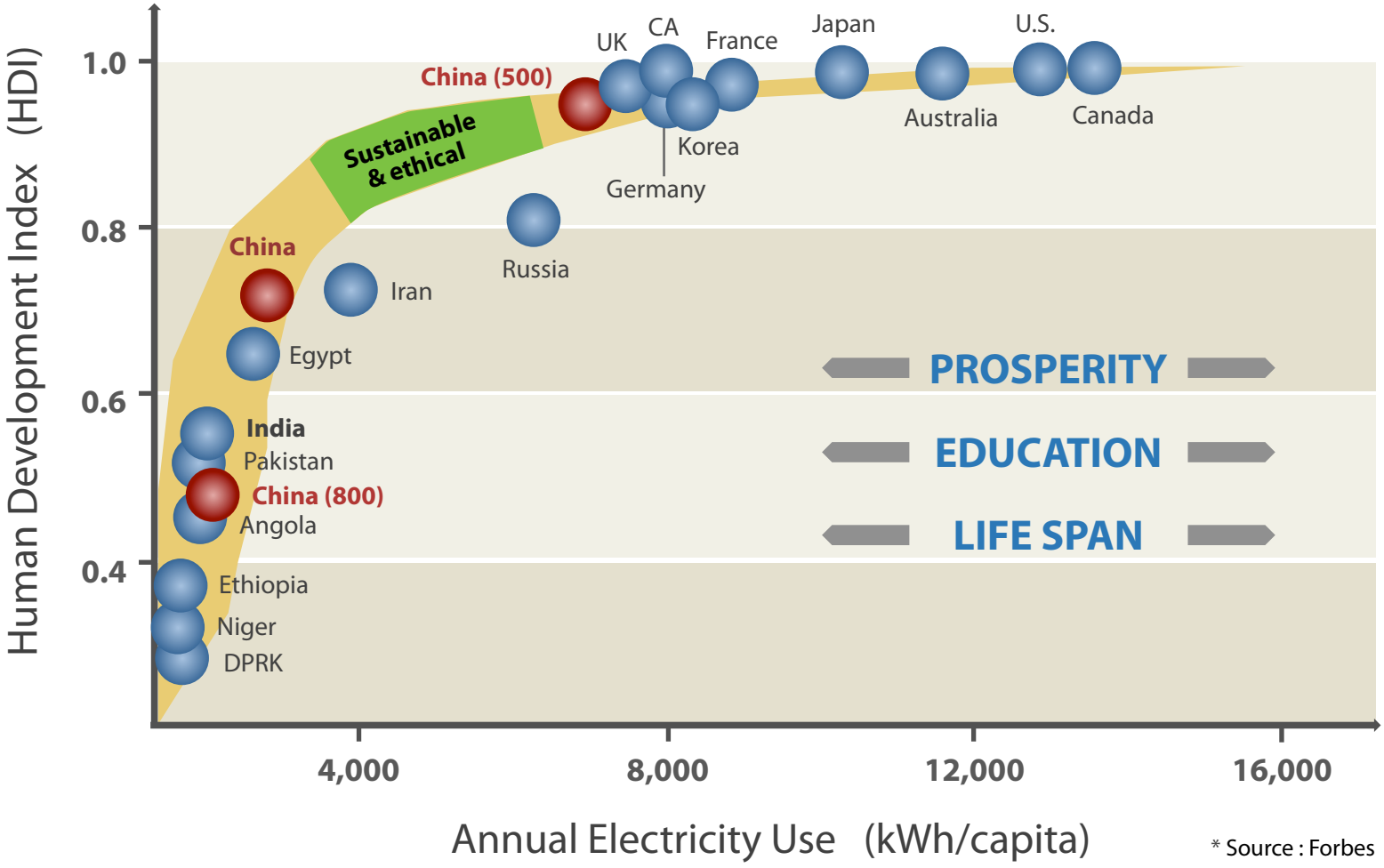
Accounts for **90%** global energy demand growth



About **93%** energy consumption growth expected

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QUALITY OF LIFE versus ELECTRICITY CONSUMPTION



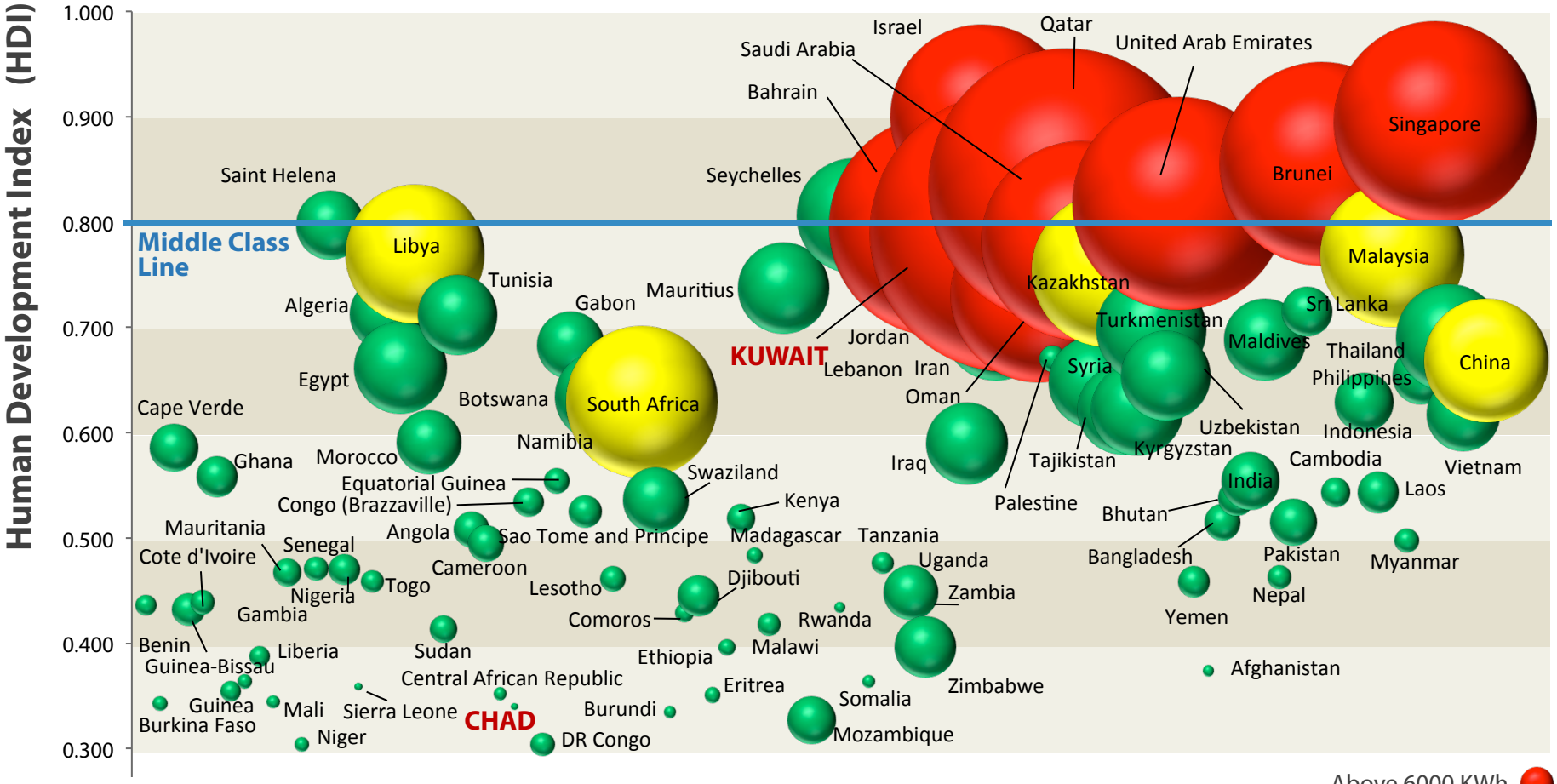
* Source : Forbes

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Africa-Middle East-CIS-Asia Region

HDI & ELECTRICITY CONSUMPTION

Bubble Size represents Electricity Consumption (kWh/capita)



Above 6000 KWh

3000-6000 KWh
Sustainable & Ethical

Below 3000 KWh

CHAD
8.47 kWh per capita
(Lowest in world)

KUWAIT
16,121 kWh per capita

ICELAND
56,000 kWh per capita
(Highest in world)

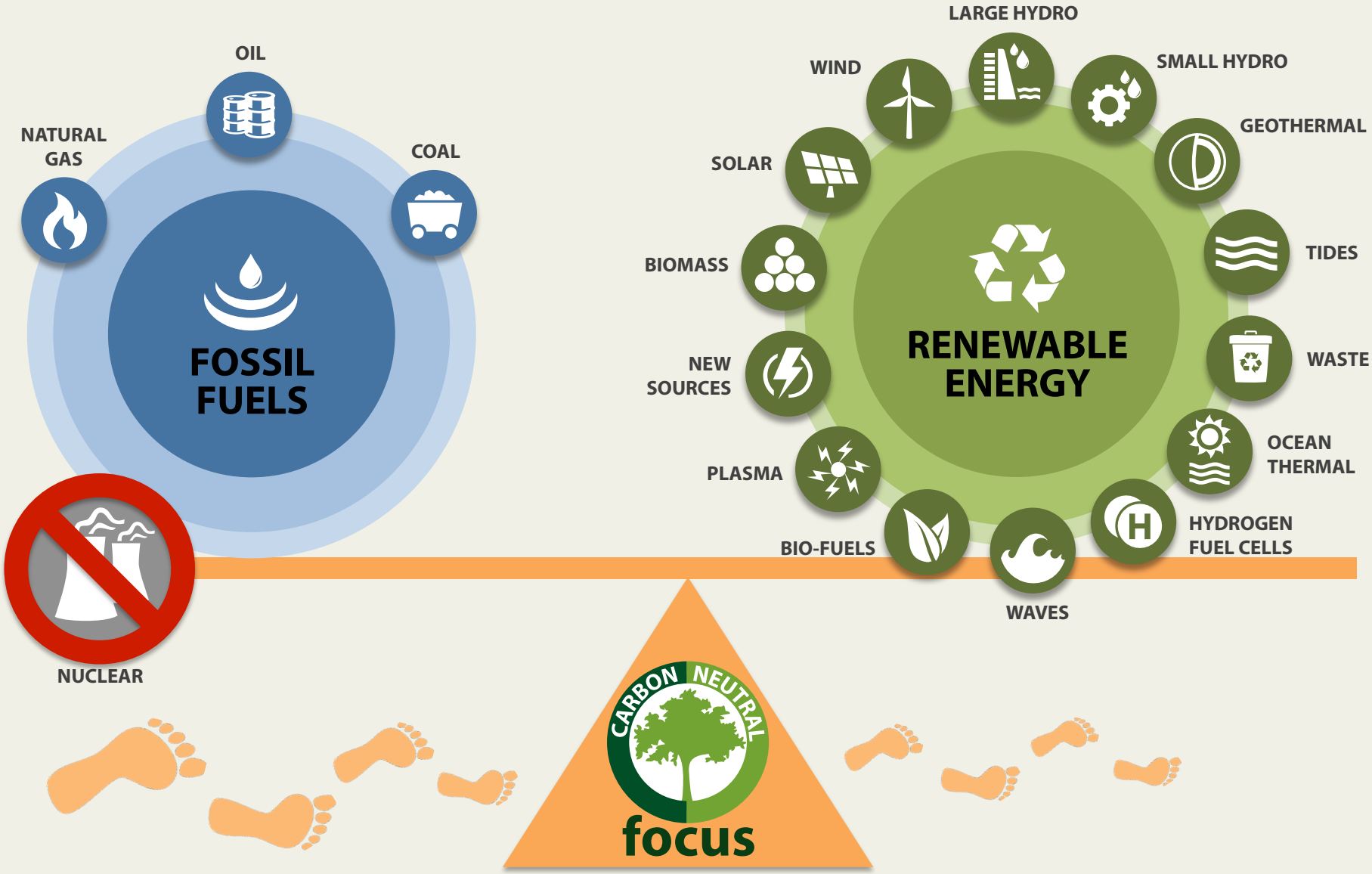
* Source : **In-house** (Compiled from IEA, UNDP, CIA Data)

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ENERGY SPECTRUM

An Integrated Energy Knowledge Hub



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SERVICE PORTFOLIO

PHASE I

01
Holistic Professional Skill Development

02
Employment-oriented Vocational Training

03
Workshops, Seminars & Conferences

04
Specialised Collaborative Initiatives

05
Multifaceted Holistic Facilitation Platform

06
Critical Mass Awareness & Societal Impact Programs



PHASE II

01
High-end, Integrated Academic Programs

02
Online Multilingual Learning Portal

03
Exclusive Infrastructure for Specialized Testing

04
Specialized Research & Development

05
Others

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KNOWLEDGE DEVELOPMENT ARENAS

FOSSIL FUEL

- Geosciences
- Reservoir Engineering
- Drilling & Well Construction
- Production Engineering
- Unconventional Resources
- Facilities /Pipeline Operations
- Petroleum Data Management
- Petroleum Finance
- Petroleum Business
- Refining /City Gas Distribution
- Coal
- Others

RENEWABLE ENERGY & POWER *

- Project Design & Development
- Construction & Installation
- Operations & Maintenance
- Marketing & Business Development
- Renewable & Power Finance
- Others

*** POWER – Generation, Transmission & Distribution**

ACROSS SECTORS

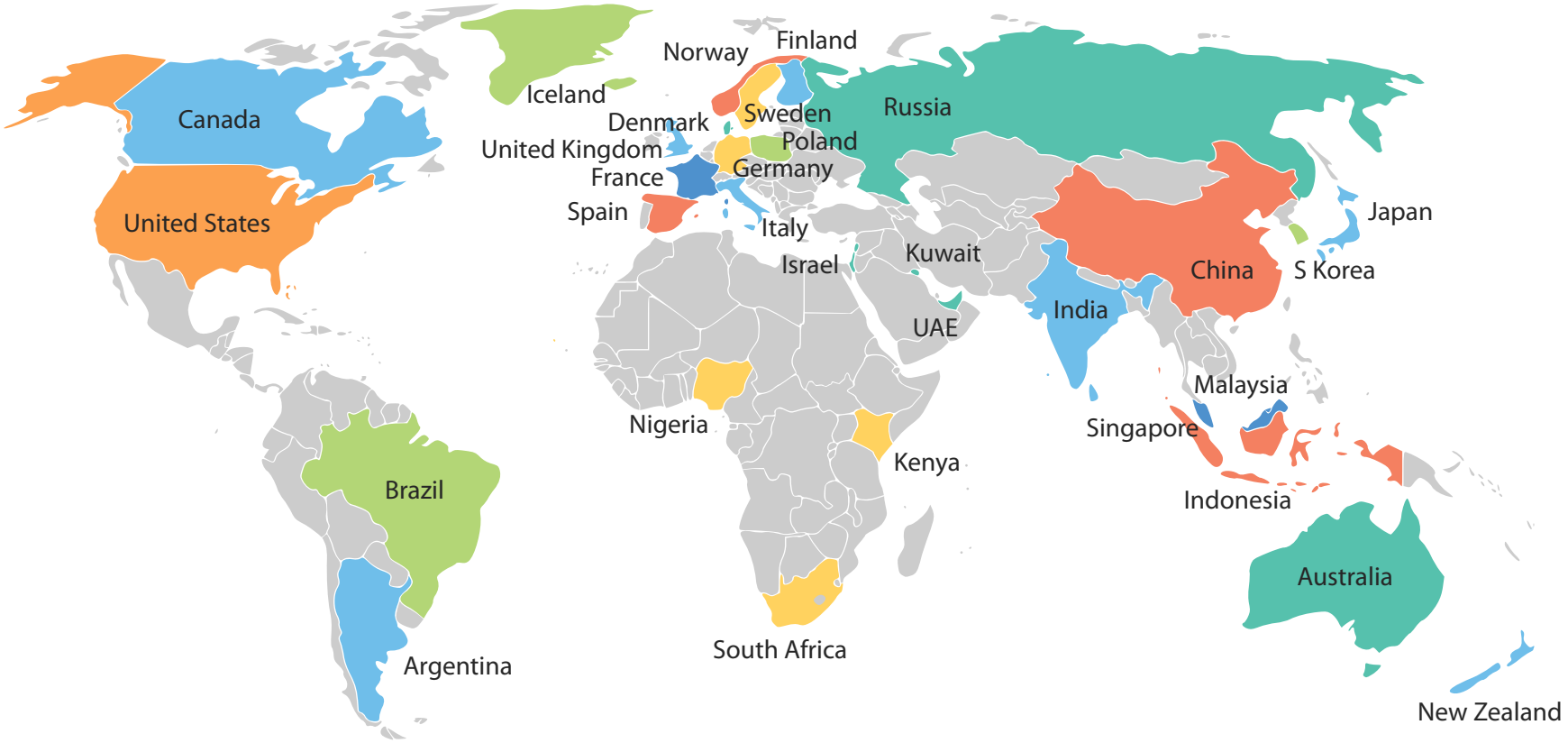
- Stewardship / Leadership
- Ethics
- Sustainability (Economic, Social, Environmental)
- Quality, Health, Safety & Environment
- Risk Management
- Asset/Portfolio Management
- Policy Developments, Regulations
- Clean Development Mechanism
- Holistic Energy Efficiency
- Migration Training
- Soft Skills
- Others

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KEY TARGETED COUNTRIES

Strategic Organizational Tie-ups & Selection of Global Experts

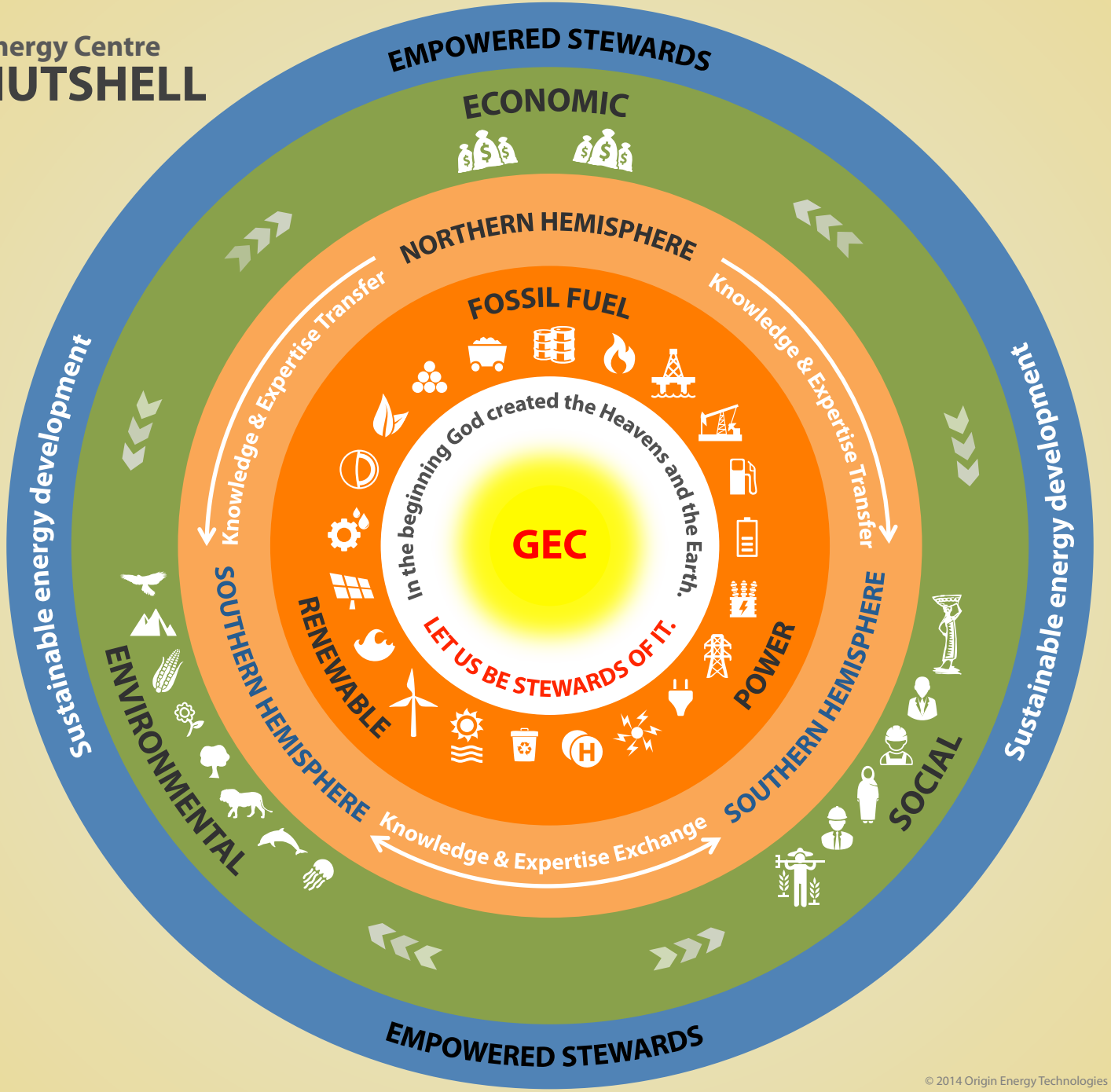




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IN A NUTSHELL



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PHASE I - DEVELOPMENT

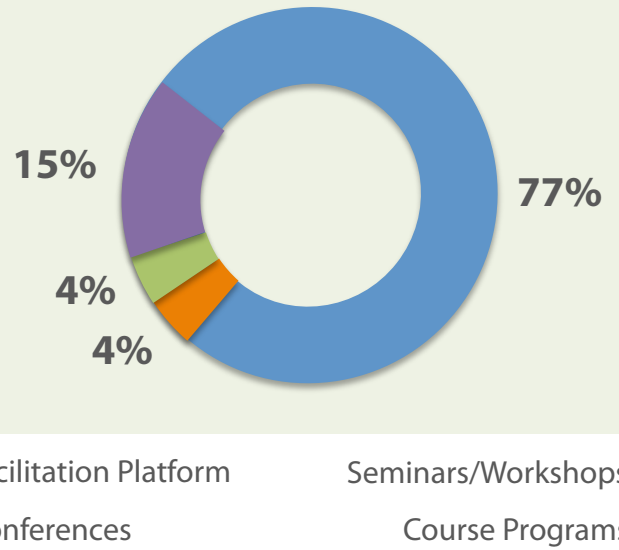
400 Participant Residential Facility

Particulars	Year 1	Year 2	Total
Land	4.50	-	4.50
Building Construction Cost etc.	2.28	5.33	7.61
Furniture, Fixtures, Interiors etc.	0.32	6.02	6.33
External Development	0.82	0.82	1.63
Equipments	1.57	2.35	3.92
Course Development	1.13	4.03	5.15
Pre-operative Expenses	1.38	3.19	4.57
Interest Capitalized	0.03	2.03	2.06
Total Cost of Project	**12.02**	**23.75**	**35.77**

(in Million USD)

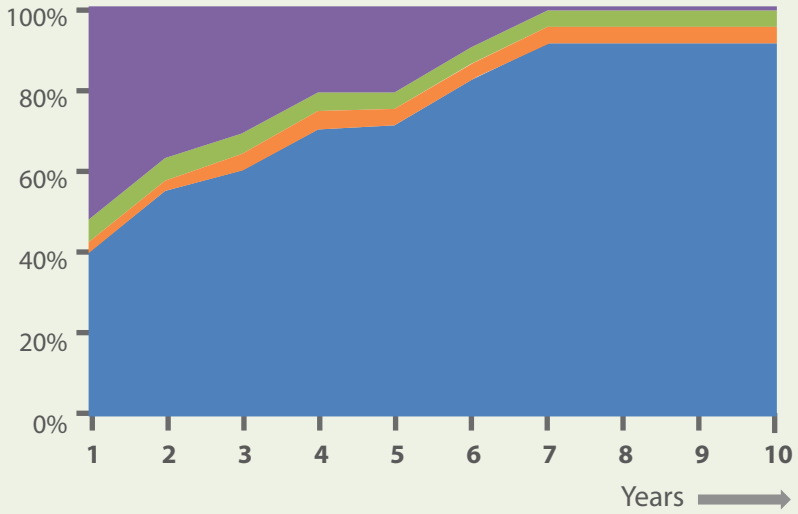
Cumulative GEC Facility Capacity Usage

PHASE I ACTIVITIES



Allocation of GEC Facility Capacity

PHASE I ACTIVITIES



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